

CITY OF RENO GENERAL VIDEO DETECTION NOTES

1. CONTACT THE CITY OF RENO PUBLIC WORKS TRAFFIC ENGINEER FOR ACCEPTABLE VIDEO DETECTION TO BE ALLOWED IN THE CITY OF RENO.
2. SOFTWARE/FIRMWARE PROVIDED AT THE TIME OF TURN ON SHALL BE THE MOST CURRENT VERSION AVAILABLE AT THE TIME.
3. ALL POWER AND/OR SERVICE CONNECTIONS TO THE VIDEO DETECTION SYSTEM SHALL BE THROUGH SEPARATE PLUGS AND CONNECTIONS AND SHALL BE INSTALLED FOLLOWING EXISTING CABINET WIRE RUNS. USE OF THE GROUND FAULT INTERRUPTER SERVICE OUTLET FOR CONNECTION OF POWER TO VIDEO EQUIPMENT WILL NOT BE PERMITTED.
4. CAMERAS SHALL BE INSTALLED STRICTLY TO MANUFACTURERS' SPECIFICATIONS REGARDING HEIGHT, PLACEMENT, FOCUS AND FIELD OF VIEW.
5. THERE SHALL BE NO SPLICES IN VIDEO OR POWER CABLES TO CAMERA FROM THE VIDEO CONTROLLER UNIT TO THE CAMERA ITSELF, UNLESS APPROVED BY THE MANUFACTURER OR THE TRAFFIC ENGINEER, INCLUDING BARREL CONNECTORS.
6. A VIDEO MONITOR OR LAPTOP COMPUTER (2.0 GHZ, 256 RAM, 40 GB HARD DRIVE) TO PROGRAM DETECTION SHALL BE PROVIDED WITH EACH INSTALLATION. IF IT IS NOT POSSIBLE TO PUT THE MONITOR IN THE CABINET, THEN THE MONITOR SHALL BE GIVEN TO THE TRAFFIC ENGINEER OR HIS DESIGNEE AT TURN ON.
7. A 56K, 3COM EXTERNAL MODEM OR APPROVED EQUIVALENT SHALL BE PROVIDED WITH EACH VIDEO INSTALLATION. MODEM INSTALLATION WILL BE DONE BY THE CITY OF RENO STAFF.
8. A SERIAL INTERFACE CABLE, APPROPRIATE FOR COMMUNICATION BETWEEN THE MODEM AND THE VIDEO CONTROLLER UNIT, SHALL BE PROVIDED.
9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSTALL DETECTION ZONES FOR VIDEO DETECTION SYSTEMS. THE DETECTION ZONES SHALL CONSIST OF PRESENCE DETECTION AT THE STOP BAR FOR THROUGH AND LEFT TURN MOVEMENTS, AND EXTENSION DETECTION PLACED IN ADVANCE OF THE STOP BAR FOR THROUGH MOVEMENTS. THE LOCATIONS OF THE ADVANCE DETECTION ZONES ARE TO BE DETERMINED BY THE ENGINEER. THE VIDEO CAMERAS SHALL BE CAPABLE OF DETECTION AT A MINIMUM DISTANCE OF 300 FEET FROM PLACEMENT.
10. ONE CAMERA AND ONE PROCESSOR (IF APPLICABLE) SHALL BE PROVIDED AS SPARES TO THE CITY OF RENO PRIOR TO SIGNAL TURN ON.
11. ON NEW SIGNAL CONSTRUCTION, OR AS REQUIRED BY THE CITY ENGINEER, DETECTION SHALL CONSIST OF A COMBINATION OF VIDEO AND LOOP DETECTION. THE LOOPS SHALL CONSIST OF TWO (2) PRESENCE LOOPS LOCATED AT THE STOP BAR FOR EACH LANE OF TRAVEL AND SHALL OPERATE CONCURRENT WITH THE VIDEO DETECTION.

| NO. | REVISION | DATE | STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION | SECTION RENO | |
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| 1 | NOTES 1, 5, 10 | 01/04 | GENERAL NOTES— VIDEO DETECTION | DRAWING NO. R-416 (325) | |
| 2 | ADDED NOTE 11 | 05/05 | | | |
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